



Equipment Capabilities & Capacities

ISO 9001:2015 Certified

CNC Horizontal Machining Centers

- (1) **Mori Seiki NH5000** – Cat 40, 24” Cube, 10,000 RPM, 1000 PSI Thru Coolant, 60 ATC
 - (2) **Mori Seiki NH6300** – Cat 50, 36” Cube, 8000 RPM, 1000 PSI Thru Coolant, 60 ATC
 - (2) **Kitamura HX630i** – Cat 50, 36” Cube, 12,000 RPM, 1000 PSI Thru Coolant, 50 ATC
 - (1) **Kitamura HX800iL** – Cat 50, 59” Cube, 12,000 RPM, 1000 PSI Thru Coolant, 100 ATC
 - (1) **Kitamura HX800G** – Cat 50, 60” Cube, 12,000 RPM, 1,000 PSI Thru Coolant, 62 ATC
 - (2) **Toyoda FA800** – Cat 50, 48” Cube, 12,000 RPM, 350 PSI Thru Coolant, 120 ATC
 - (1) **Toyoda FA1050** – Cat 50, 60” Cube, 6,000 RPM, 350 PSI Thru Coolant, 120 ATC
- (Haimer Shrink Fit Balanced Tooling and Standard Modular Fixture Tables on all HMC’s w/interchangeable tombstones, fixtures, & vises)
- (1) **Mori Seiki NHX8000** – Cat 50, 55” Cube, 8,000 RPM, 1000 PSI Thru Coolant, 120 ATC
 - (1) **Kitamura HX630G** – Cat 50, 36” Cube, 12,000 RPM, 1000 PSI Thru Coolant, 50 ATC

CNC Vertical Machining Centers

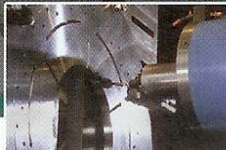
- (1) **Mori Seiki SV503B** – Cat 40, 20”x 40”, 10,000 RPM, 1000 PSI Thru Coolant, 30 ATC, SMW Set-Up Switcher, and Cincinnati Full Contouring 4th Axis Rotary
- (1) **Mori-Seiki NV5000** – Cat 50, 20” x 40”, 8000 RPM, 1000 PSI Thru Coolant, 30 ATC
- (1) **Mori-Seiki ML300 Partner** – Cat 40, 18” x 120”, 6000 RPM, 30 ATC
- (1) **Bridgeport VMC 1000 XP** – Cat 40, 20” x 40”, 10,000 RPM, 30 ATC, (1) w/SMW Set-Up Switcher
- (1) **Brother TC32BN Tapping Center** – BT-30, 16” x 22”, 16,000 RPM, 40 ATC
- (1) **Toyoda FV1165** – Cat 40, 25” x 43”, 8,000 RPM, 30 ATC
- (1) **Haas TM-2P** – Cat 40, 16” x 40”, 6,000 RPM, 20 ATC

CNC Horizontal Boring Mills

- (1) **G&L** – 5” Spindle, 72”V x 96” H w/rotary table
- (1) **G&L** – 5” Spindle, 96”V x 120” H w/rotary table
- (1) **Ikegai** – 5” Spindle, 98”V x 138”H w/Full Contouring 4th Axis
- (1) **Mitsubishi MAF150E-2022** – 6” Spindle, 118”V x 157.5”H w/ Full Contouring 4th Axis (44,000 lb. max weight capacity)

5 Axis Machining Centers

- (1) **DMS 5-Axis Continuous Motion Router** – 72” x 156” x 48”, 24 HP, 18,000RPM, 24 ATC



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CNC Vertical Turning Center

- (1) **OM** – 54” Chuck, 64-1/2” Turning Diameter, 50” Turning Height, 17,000 lbs table capacity
- (1) **OM** – 57” Chuck, 78” Turning Diameter, 59” Turning Height, 17,600 lbs table capacity
- (1) **OM 12EX** – 49” Chuck, 57” Turning Diameter, 43” Turning Height, 8,800 lbs table capacity
- (1) **OM** – with live tooling – 40” Chuck, 49” Turning Diameter, 29” Turning Height, 4,400 lbs table capacity
- (1) **OM 16EX** – with live tooling – 63” Chuck, 48.7” Turning Diameter, 59” Turning Height, 17,640 lbs table capacity
- (1) **Honor Seiki** – live tooling 57” Chuck, 78” Turning Diameter, 49” Turning Height, 18,000 lbs capacity

CNC Turning Center

- (1) **Mori Seiki SL25** – 14” Swing, 30” between centers, 12 Station Turret
- (1) **Mori Seiki SL35** – 17” Swing, 30” between centers, 12 Station Turret
- (1) **Mori Seiki NL3000/1250** – 17” Swing, 48” between centers, 12 Station Turret w/6000 RPM live tooling capability
- (2) **Mori Seiki NL3000/700** – 17” Swing, 28” between centers, 12 Station Turret w/6000 RPM live tooling capability
- (1) **Romi M27** – 16” Swing, 120” between centers, 8 Station Turret
- (2) **Romi M17** – 8” Swing, 30” between centers
- (1) **Takisawa LA-250Y** – 13.8” Swing, 39” between centers, 12 Station Turret w/ 5000 RPM live tooling

Manual Boring Mills

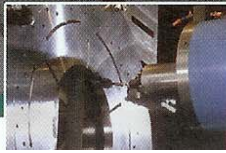
- (2) **Kuraki** – 4” Spindle, 48”V x 60” H w/DRO and rotary table
- (1) **Kuraki** – 5” Spindle, 72”V x 84” H w/DRO

Manual Mills

- (5) **ProtoTRAKs**
- (3) **Bridgeports**
- (1) **Fryer MB** – 14Q 3 Axis Mill

Manual Lathes

- (5) Up To 33” Dia. (25” Over Carriage) x 157” Between Centers w/DRO



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Inspection

- (2) CMM Up To 40" x 40" x 32"

Grinders

- (2) Rotary Surface Grinders to 42" Dia. Chuck
- (3) Reciprocating Table Surface Grinders to 24" x 96"
- (3) OD Grinders to 14" Dia.
- (1) ID Grinders to 14" Dia. x 12

Assembly & Fabrication

- (1) CNC Tube Bender
- (2) Mandrel Benders up to 2.5" Diameter Solid Stock
- (2) 25 Ton Crane Capacities
- (3) 10 Ton Cranes
- (5) 5 Ton Cranes
- Welding – Heli-Arc, Aluminum, Stainless Steel, etc.
- 20,000 Square Feet Assembly Area

Miscellaneous

- Keyseaters
- Hone
- Drill Presses
- Saws

Software

- (14) MasterCAM X7 Axis w/solids
- (2) MasterCAM Lathe
- (2) G Zero Lathe
- (3) Solidworks 2014
- (1) Autocad 2005
- Capable of translating most automotive industry software package

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